

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER  
09546-023US1/55530 US SB/MW

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/527177

INTERNATIONAL APPLICATION NO.  
PCT/SE2003/001405

INTERNATIONAL FILING DATE  
10 September 2003

PRIORITY DATE CLAIMED  
10 September 2002

**TITLE OF INVENTION**

A Plate Heat Exchanger

**APPLICANT(S) FOR DO/EO/US**

Jan Gronwall

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

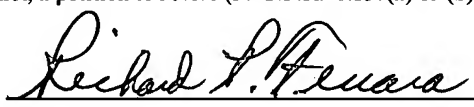
1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. § 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. § 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. § 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. § 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. § 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. § 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 C.F.R. § 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 C.F.R. § 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. § 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. § 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. § 154(d)(4).
20. ☒ Other items or information:  
Int'l Search Report; Form PCT/IB/332; Form PCT/IPEA/409; Cover Sheet WO 2004/025205

**CERTIFICATE OF MAILING BY EXPRESS MAIL**  
Express Mail Label No. ET322637353US  
Date of Deposit: March 7, 2005

DT06 Rec'd PCT/PTO 07 MAR 2005

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) <b>10/527177</b>		INTERNATIONAL APPLICATION NO. PCT/SE2003/001405		ATTORNEY'S DOCKET NUMBER 09546-023US1									
21. The following fees are submitted:  <input checked="" type="checkbox"/> a) Basic national fee..... <b>\$300</b> <input checked="" type="checkbox"/> b) Examination fee..... <b>\$200</b> <input checked="" type="checkbox"/> c) Search fee ..... <b>\$500</b>  <div style="text-align: center;"><b>TOTAL OF ABOVE CALCULATIONS =</b></div>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: right;"><b>\$300.00</b></td><td></td></tr> <tr><td style="text-align: right;"><b>\$200.00</b></td><td></td></tr> <tr><td style="text-align: right;"><b>\$500.00</b></td><td></td></tr> <tr><td style="text-align: right;"><b>\$1,000.00</b></td><td></td></tr> </table>		<b>\$300.00</b>		<b>\$200.00</b>		<b>\$500.00</b>		<b>\$1,000.00</b>	
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<b>\$1,000.00</b>													
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.													
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE										
-100 =	/50=		X \$250										
Surcharge of <b>\$130</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: right;">\$</td><td></td></tr> </table>		\$							
\$													
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE										
Total Claims	22 - 20 =	2	x \$50	\$100.00									
Independent Claims	3 - 3 =		x \$200	\$0.00									
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$100.00									
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,100.00</b>									
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.				\$0.00									
<b>SUBTOTAL =</b>				<b>\$1,100.00</b>									
Processing fee of <b>\$130</b> for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f))				\$0.00									
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,100.00</b>									
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). <b>\$40.00</b> per property				\$0.00									
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,100.00</b>									
				Amount to be refunded:	\$								
				Amount to be charged:	\$								
a. <input checked="" type="checkbox"/> A check in the amount of <b>\$1,100.00</b> to cover the above fees is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.													
<b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.</b>													
SEND ALL CORRESPONDENCE TO:													
PTO Customer No:		26211											
		 SIGNATURE											
		Richard P. Ferrara											
		NAME											
		30,632											
		REGISTRATION NUMBER											

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